

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Audible Signal Device

LISTEE: American Security Equipment Co., Division of Kobishi America Inc., 228 Star of India Ln.
Carson CA 90746 Contact: Toby Tabata (310) 538-4670 Fax (310) 538-9932

DESIGN: Models PAL-328, PAL-328N*, PAL-328NS* and PAL-328P* component buzzers. Unit comprised of a coil assembly, piezo ceramic disc, printed wire board, electronic components housed in a plastic enclosure. Refer to listee's data sheet for additional detailed product description and operational considerations.

RATING: 3 to 28 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as audible signal devices for use with separately listed compatible fire alarm control units.

If this appliance is required to produce a distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72, 1993 Edition, the appliance must be used with a fire alarm control unit that can generate the temporal pattern signal. Refer to manufacturer's Installation Manual for details.

*Rev. 09-11-97



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued:

JUNE 15, 2003

*Listing Expires **June 30, 2004***

Authorized By:

DIANE K. AREND, Senior Deputy
Program Manager